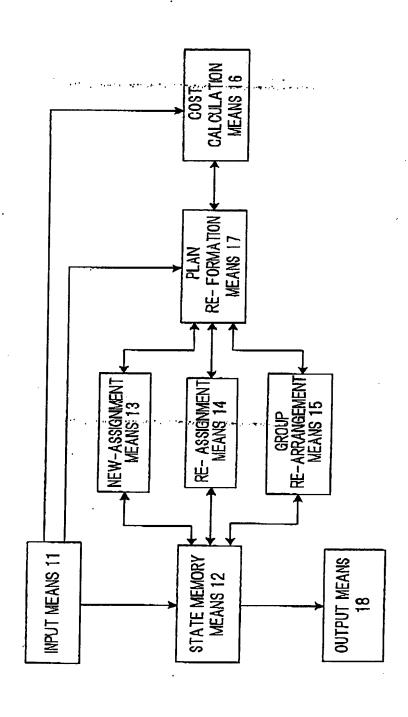
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DESTINATION	LOCATION (X, Y)	KIND OF TASK
1	(34,93)	TASK C
2	(78,46)	TASK A
3	(13,5)	TASK A,B
4	(4,72)	TASK B
5	(52,12)	TASK B
6	(22.10)	TASK A
7	(46,33)	TASK B
8	(69,81)	TASK B
9	(9,85)	TASK C
10	(22,54)	TASK A
11	(29,47)	TASK C

### FIG.4

	T-1			
MEMBER	MOBILE CAPABILITY (SPEED OF MOVEMENT)	(TIME R	RKING CAPAB REQUIRED FOR	ILITY R.TASK)
		TASK A	TASK B	TASK C
1	.7	10 10 1 <b>3</b> mm - 10		100
2	4 .	6	2	3
3	5	2	250	1
4	15	. 10	12	8
5	3	7	10	5
6	10	5	8	200
7 .	8	14	5	4
	1			4

=

# F/G.3

			GROUP (	GROUP CONSTRAINTS		
GROUP	ATTRIBUTE	GROUP ATTRIBUTE MAXIMUM NUMBER OF MEMBERS	ACCOMMO- DABLE MEMBERS	GROUP FORMATION	RELATIONSHIP OF MEMBERS IN GROUP	INITIAL GROUP FORMATION
-	VARIABLE	1	1, 2, 5, 7	1	1	5
2	INVARIABLE	1	1	2, 6	TWO MEMBERS ARE TO BE WITHIN A PREDETERMINED DISTANCE	l
3	VARIABLE	က	ANY MEMBERS	1	THREE MEMBERS ARE TO BE ALIGNED FOLIDISTANTI V	1,4

## F16.5

	T			
TONS (TASK)	4		2-[1(C)	
ERS - DESTINAT	က		6-8(B)	5-5(B)
VISITING PLAN : MEMBERS - DESTINATIONS (TASK)	2	7-7(B)	6-6(A)	5-1(0)
VISITING	-	7-10(A)	2-3(A, B)	1-9(C)
GROUP	FURMATION	7	2,6	1,5
GROUP	٠	<b>-</b>	2	ဗ



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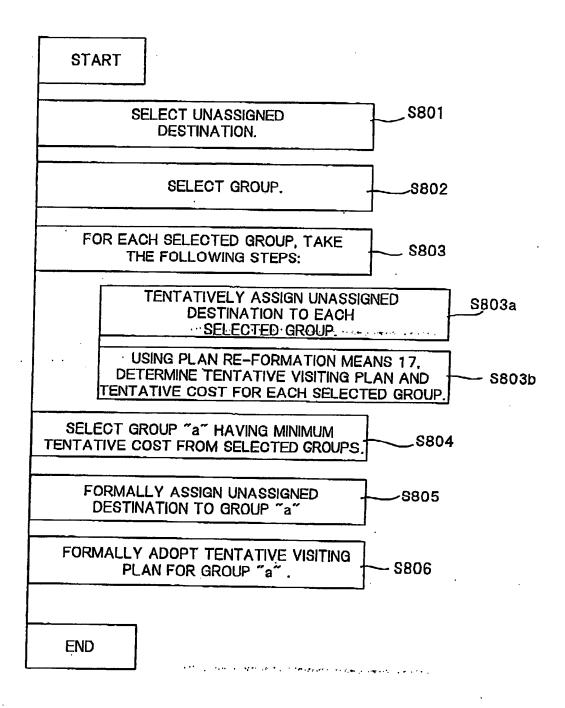
FIG 6

FSTINATION 1 2 3 4 5 ROUP NUMBER 3 UNAS- SIGNED 3	6 7 8 9 10 11	2 1 2 3 1 2
ON 1 2 3 WBER 3 UNAS- 2 1	22	က
ON 1 2 WBER 3 UNAS-	4	UNAS- SIGNED
ON 1 SIGN	സ	
ON MBER	2	UNAS- SIGNED
		က
	DESTINATION	GROUP NUMBER

FIG. 7

3 4 5 6	UNAS- UMAS- 3 2
2	2
_	က
MEMBER	GROUP NUMBER

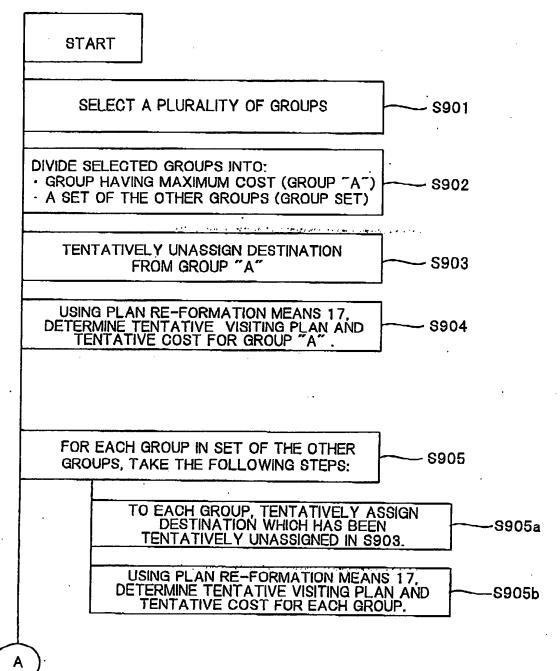




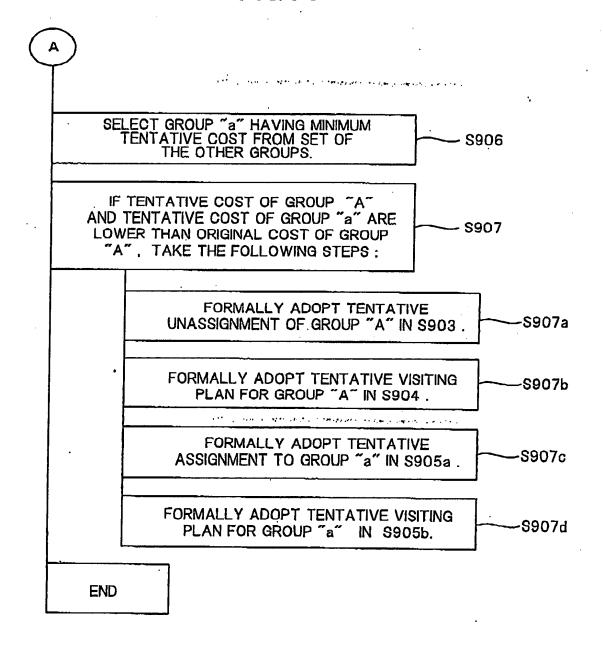








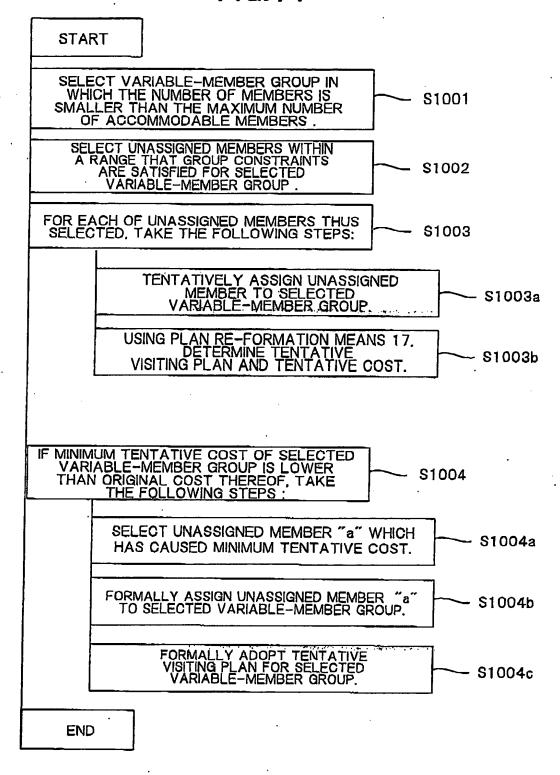
#### FIG10





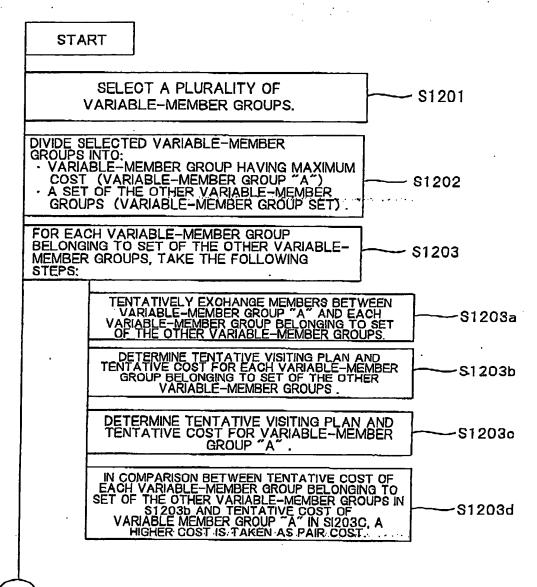


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3

START SELECT VARIABLE-MEMBER GROUP, AND TENTATIVELY UNASSIGN AT LEAST ONE OF MEMBERS THEREOF. - S1101 SELECT UNASSIGNED MEMBERS WITHIN A RANGE THAT GROUP CONSTRAINTS ARE SATISFIED. - S1102 FOR EACH OF UNASSIGNED MEMBERS THUS - S1103 SELECTED, TAKE THE FOLLOWING STEPS: TENTATIVELY ASSIGN UNASSIGNED MEMBER -S1103a TO SELECTED VARIABLE-MEMBER GROUP. USING PLAN RE-FORMATION MEANS 17, DETERMINE TENTATIVE VISITING PLAN AND -S1103Ь VISITING COST. IF MINIMUM TENTATIVE COST OF SELECTED VARIABLE-MEMBER GROUP IS LOWER THAN ORIGINAL COST THEREOF, TAKE THE FOLLOWING STEPS: · S1104 FORMALLY UNASSIGN MEMBERS WHICH HAVE -S1104a BEEN TENTATIVELY UNASSIGNED IN \$1101. SELECT UNASSIGNED MEMBER "a" WHICH HAS S1104b CAUSED MINIMUM TENTATIVE COST. FORMALLY ASSIGN UNASSIGNED MEMBER "a" -S1104c TO SELECTED VARIABLE-MEMBER GROUP. FORMALLY ADOPT TENTATIVE VISITING PLAN S1104d FOR SELECTED VARIABLE-MEMBER GROUP. **END** 

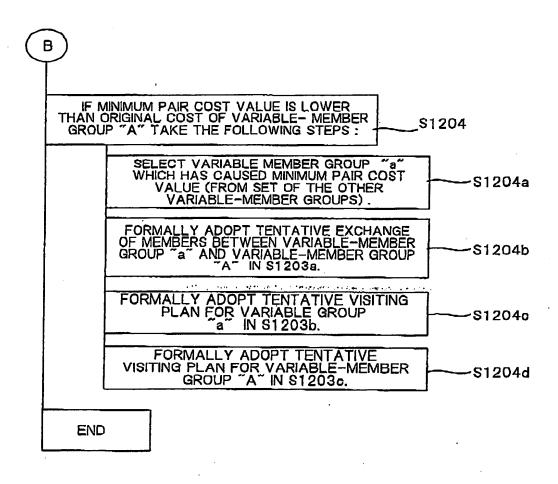


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4

أحري والأراب والرابي والمعاول والمعرف والمعاور والمعاورة والمعاورة والمعاورة المعاوم والمعاودة